# MiniLine Cameras



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# FlexiDome Series Mono & Color Fixed Dome Cameras

The FlexiDome I & II Series are fixed compact cameras in stylish surveillance domes: FlexiDome I for standard resolution and FlexiDome II for high resolution applications.
The high performance 1/4-inch monochrome or color CCD cameras come in a choice of 2.1 mm, 3 mm or 6 mm integral lenses for super-wide angle or standard view. Wide AC voltage ranges allow flexibility in both PAL and NTSC versions.

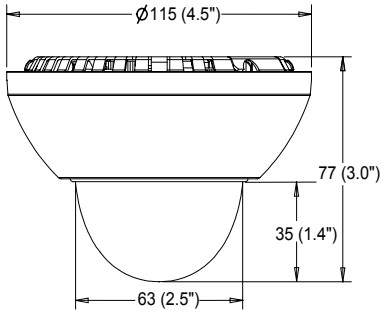
The FlexiDome I & II cameras are easily surface mounted on ceilings or walls to elegantly blend with their environment. The lightly tinted dome masks the camera without signifigant f-stop loss. With its 24 VAC supply and line-lock capabilities, this camera is not sensitive to the color interaction between the shutter and fluorescent lighting common to DC-supplied cameras. Various configuration possibilities are available via the easily accessible switches for white balance, line-lock, phase adjustment, and backlight compensation. The camera's viewing direction can be manually adjusted, and the ball mounted construction ensures a stable camera view.

The backlight compensation and wide dynamic range, combined with the many other image enhancement features of the proprietary DSP ensure optimum contrast and a clear picture of the object at any time. Enhanced picture quality, true color reproduction, and outstanding reliability make these domed cameras an excellent choice for indoor applications in retail, casinos, museums, malls, and bank or hotel lobbies.

### Features

- Fixed Cameras in 64 mm (2.5-inch) Domes
- 1/4-inch Format Standard and High Resolution
- Full range of color and monochrome models
- Available with 2.1 mm, 3 mm or 6 mm Lenses
- All Models with advanced DSP
- Backlight Compensation
- 24 VAC Supply with Line-Lock

### Installation/Configuration Notes




*Dimensions*



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## Technical Specifications

### Electrical

| Models: | FlexiDome I | | |
|---|---|---|---|
| | **Monochrome** | **Color** | **Lens type** |
| | LTC 1311 | LTC 1411 | 2.1 mm f/2.0 |
| | LTC 1312 | LTC 1412 | 3 mm f/2.0 |
| | LTC 1313 | LTC 1413 | 6 mm f/2.0 |
| | **FlexiDome II** | | |
| | LTC 1321 | LTC 1421 | 2.1 mm f/2.0 |
| | LTC 1322 | LTC 1422 | 3 mm f/2.0 |
| | LTC 1323 | LTC 1423 | 6 mm f/2.0 |

| **Model No.** | **Voltage Range** | **Mono/Color Systems** |
|---|---|---|
| *Monochrome* | | |
| LTC 131x/10, 132x/10 | 12 to 28 VAC or VDC | CCIR |
| LTC 131x/20, 132x/20 | 12 to 28 VAC or VDC | EIA RS-170 |
| *Color* | | |
| LTC 141x/10, 142x/10 | 12 to 28 VAC or VDC | PAL B |
| LTC 141x/20, 142x/20 | 12 to 28 VAC or VDC | NTSC |

Power is 2 W for all models.

**Imager:** Interline transfer CCD; 1/4-inch image format.

| | **FlexiDome I** | **FlexiDome II** |
|---|---|---|
| **Active Picture Elements:** | | |
| PAL/CCIR | 500H x 582V | 752H x 582V |
| NTSC/EIA | 510H x 492V | 768H x 492V |
| **Horizontal Resolution:** | | |
| Color | 330 TVL | 470 TVL |
| Monochrome | 380 TVL | 570 TVL |
| **Signal to noise ratio (Min. AGC)** | >46 dB | >48 dB |
| **AGC** | 18 dB | 20 dB |

| **Sensitivity (3200 K):** | **Usable Picture (50IRE)** | **Full Video** |
|---|---|---|
| **Monochrome** | | |
| Scene illumination | fc: 0.05 | 0.25 |
| | lx: 0.5 | 2.5 |
| **Color** | | |
| Scene illumination | fc: 0.45 | 2.2 |
| | lx: 4.5 | 22 |

f/2 lens, 89.9% scene reflectance.

**Electronic Shutter**

PAL/CCIR Models: 1/50 to 1/100,000 sec.

NTSC/EIA Models: 1/60 to 1/100,000 sec.

**White Balance (Color Models Only)**

Continuous Tracking (ATW): 2500 K to 9000 K.

White Balance Store (AWB): 2500 K to 9000 K.

**Video Output** 1.0 Vp-p, 75 ohm.

**Aperture Correction** Horizontal and vertical.

**Synchronization**

Line-lock (When powered by AC): Synchronizes camera to power line zero crossing for roll-free vertical interval switching. Vertical phase delay can be externally adjusted (continuously) to allow vertical synchronization in multiphase power installations.

**Controls**

Line-Lock Selectable On/Off.
Phase Adjust Range 330°
White balance ATW or AWB (color models only)
Backlight Compensation On/Off.

### Electrical

**Connectors**

Video Out BNC.
Power Terminal block, power supply terminals are isolated from video output BNC.

### Mechanical

**Cable Entry** Internal connections.

**Mounting**

Mounts on wall or ceiling.
Adjustable camera viewing position: 120° Horz; 120° Vertical; 3600 Rotation.
Viewing angle: 2.1mm lens - 90° Horz., 68° Vert.
Viewing angle: 3mm lens - 53° Horz., 38° Vert.
V 752 angle: 6mm H lens - 36° x Horz., 27° Vert.

**Construction/Finish**

Polycarbonate (PC) dome on molded PC/ABS housing.

**Dimensions:** 115 mm (4.5 in) diameter x 77 mm (3 in) height.

**Weight:** 0.4 kg (0.9 lb).

### Environmental

| **Temperature range** | |
|---|---|
| Operating | -10°C to +45 °C (+14 °F to +113°F) |
| Storage | -25 °C to +70 °C (-4 °F to +158 °F) |
| **Humidity** | 0% to 93% relative, non condensing |
| **Electromagnetic Compatibility** | |
| **EMC** | CE Immunity, CE Emission Class B, |
| **Requirements** | FCC Class B. |
| **Safety** | CE, UL, cUL. |
| **Accessories** | |
| TC1323 | Input 120 VAC, 60 Hz, |
| Power Supply | Output 24 VAC 60 Hz 10VA. |
| TC220PSX-24 | Input 220-240 VAC, 50/60 Hz, |
| Power Supply | Output 24 VAC 50/60 Hz 20VA. |



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| Ordering Information |
| --- |
| **Model & Description** |
| LTC 1311 FlexiDome I<br>1/4-inch, 380 TVL b/w CCIR, 12 VDC / 24VAC, w/2.1 mm fixed iris lens |
| LTC 1312 FlexiDome I<br>3 mm CCIR |
| LTC 1313 FlexiDome I<br>6 mm CCIR |
| LTC 1411 FlexiDome I<br>Camera, 1/4-inch, 330 TVL color NTSC, 12 VDC / 24VAC, w/2.1 mm fixed iris lens |
| LTC 1412 FlexiDome I<br>3 mm PAL |
| LTC 1413 FlexiDome I<br>6 mm PAL |
| LTC 1321 FlexiDome II<br>Camera, 1/4-inch, 570 TVL b/w CCIR, 12 VDC / 24 VAC, w/2.1 mm fixed iris lens |
| LTC 1322 FlexiDome II<br>EIA 3mm |
| LTC 1323 FlexiDome II<br>EIA 6mm |
| LTC 1421 FlexiDome II<br>1/4-inch, 470 TVL color NTSC, 12 VDC / 24 VAC, w/2.1 mm fixed iris lens |
| LTC 1422 FlexiDome II<br>NTSC 3mm LEN |
| LTC 1423 FlexiDome II<br>NTSC 6mm LEN |
| **Hardware Accessories** |
| TC1323 Power Supply<br>120 VAC, 60 Hz, 24 VAC, 60 Hz, 10 VA |
| TC220PSX-24 Power Supply<br>Transformer (220 – 240 VAC / 24 VAC, 800 mA, 50hz) |



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# Mini Camera Series Digital Mono & Color Cameras - PAL

The Bosch Security Systems Mini Camera Series provides an excellent solution for demanding applications, where limited space is a concern. The Mini Camera models provide all of the benefits of a full-featured security camera, in an attractive, compact designer package.

Mini Cameras utilize a high performance 1/4-inch CCD imager, with advanced digital signal processing (DSP). Both color and monochrome models are available in either standard or high-resolution formats. These high-sensitivity imaging devices offer ultra-sharp pictures, even in poorly lit areas.

The backlight compensation feature allows viewing of subjects against brightly lit backgrounds. All models accept a wide variety of manual or DC-iris lenses.

Whether dome, corner, wall, or ceiling mounted, the Bosch Mini Camera is perfect for today's smaller camera enclosures and system installations. The cameras can be 12VDC or 24VAC powered, and offer selectable crystal or line lock synchronization. Choose the Bosch Security Systems Mini Camera Series whenever you're in a tight spot.

## Features

- Compact Camera
- 1/4-inch Format CCD Imager
- Full Range of Color and Monochrome Models
- CS Lens Mount
- All Models with Advanced DSP
- Backlight Compensation
- Accepts AC or DC Voltages

| Technical Specifications | |
|---|---|
| **Mechanical** | |
| **Connectors** | |
| Video Output | BNC Connector |
| Power | Power plug |
| DC-Iris | 4-pin EIA-J |
| **Camera Mounting** | Top and bottom, 1/4-inch 20 UNC |
| **Lens** | |
| Mount | CS |
| Drive | DC-IRIS |
| Compatibility | Manual and DC-IRIS |
| **Dimensions** | 7.37 H x 7.11 W x 5.1 D cm (2.9 x 2.8 x 2.0 in) |
| **Weight** | Approximately .23 kg (0.5 lb) |

| Environmental | |
|---|---|
| Temperature Operating | -10°C to +45 °C (+14 °F to +113°F) |
| Humidity | Operating: 0%–95%, non condensing |
| **Product Regulatory Compliance** | |
| Electromagnetic Compatibility (EMC) | Complies with FCC Part 15, ICES-003 and CE regulations |
| Product Safety | Complies with CE regulations, UL, CSA, EN, and IEC Standards |

| Ordering Information | |
|---|---|
| **Model & Description** | |
| LTC 0135/10 | 1/4-inch, Monochrome, 380 TVL, 12 - 28 VAC, 50 Hz, 11.5 - 36 VDC |
| LTC 0155/10 | 1/4-inch, Monochrome, 570 TVL, 12 - 28 VAC, 50 Hz, 11.5 - 36 VDC |
| LTC 0235/10 | 1/4-inch, Color, 330 TVL, 12 - 28 VAC, 50 Hz, 11.5 - 36 VDC |
| LTC 0255/10 | 1/4-inch, Color, 480 TVL, 12 - 28 VDC, 50 Hz, 11.5 - 36 VDC |
| **Hardware Accessories** | |
| LTC 3364/50 | 1/3-inch Varifocal lens 2.8 – 10 mm, DC-IRIS, CS-mount f/1.4 - 360, 4 pin |
| LTC 3364/60 | 1/3-inch Varifocal lens 3.5 – 8 mm, DC-IRIS, CS-mount f/1.4 - 360, 4 pin |
| LTC 3374/50 | 1/3-inch Varifocal lens 5 – 50 mm, DC-IRIS, CS-mount f1.7 to 360, 4-pin |



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| Mini Camera Series Color & Monochrome - PAL | | | | |
|---|---|---|---|---|
| | **LTC 0135/10** | **LTC 0155/10** | **LTC 0235/10** | **LTC 0255/10** |
| **Imager** | Interline Transfer CCD, 1/4-inch format | Interline Transfer CCD, 1/4-inch format | Interline Transfer CCD, 1/4-inch format | Interline Transfer CCD, 1/4-inch format |
| **Active Picture Elements** | 512(H) X 582(V) CCIR | 752( H) X 582(V) CCIR | 512(H) X 582(V) PAL | 752(H ) X 582(V) PAL |
| **Sensitivity (3200K), Scene Illumination, Usable Picture lx f/ 1.2 lens, 89% reflectance 50 IRE** | 0.18 | 0.18 | 1.6 | 1.6 |
| **Horizontal Resolution** | 380 TVL | 570 TVL | 330 TVL | 480 TVL |
| **Signal-to-Noise** | >48 dB | >48 dB | >48 dB | >48 dB |
| **AGC** | Automatic | Automatic | Automatic | Automatic |
| **Electronic Shutter** | Automatic, 1/50 to 1/100,000 | Automatic, 1/50 to 1/100,000 | Automatic, 1/60 to 1/100,000 | Automatic, 1/60 to 1/100,000 |
| **Aperture Correction** | Horizontal and vertical | Horizontal and vertical | Horizontal and vertical | Horizontal and vertical |
| **Backlight Compensation** | Selectable, On/Off | Selectable, On/Off | Selectable, On/Off | Selectable, On/Off |
| **White Balance** | - | - | Selectable, hold/continuous (2500–9000 K) | Selectable, hold/continuous (2500–9000 K) |
| **Video Output** | Composite Video 1.0 Vp-p, 75 Ohm | Composite Video 1.0 Vp-p, 75 Ohm | Composite Video 1.0 Vp-p, 75 Ohm | Composite Video 1.0 Vp-p, 75 Ohm |
| **Synchronization** | Selectable Line Lock, Crystal Lock | Selectable Line Lock, Crystal Lock | Selectable, Line Lock, Crystal Lock | Selectable, Line Lock, Crystal Lock |
| **Phase Delay** | 0 – 330° | 0 – 330° | 0 –350° | 0 –350 ° |
| **Voltage Range** | 12 - 28 VAC, 50Hz, 11.5 - 36 VDC | 12 - 28 VAC, 50Hz, 11.5 - 36 VDC | 12 - 28 VAC 50Hz, 11.5 - 36 VDC | 12 - 28 VAC 50Hz, 11.5 - 36 VDC |
| **Power** | 2 Watts | 2 Watts | 2 Watts | 2 Watts |



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# MiniLine Cameras Vandal\Impact proof



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# LTC 1271 Series, Corner Phortress

As an extension of the MiniLine products, Bosch offers a corner-mounted version of the high security grade, aluminum Phortress. The LTC 1271 Series Corner Phortress offers the same camera protection with a discrete design that works well in most indoor corner applications. The camera can mount flush to the ceiling, or it can be wall mounted below ceiling level. It comes in a standard white finish for use in lobbies, elevators, and other design-specific locations.

## Features

- High Security Phortress Design
- Withstands 120 lbs of Direct Force on the Polycarbonate Dome
- Integral Color, High Resolution Camera with Wide Angle, Varifocal Lens
- Available in Standard or Brushed Aluminum Finishes
- 24 VAC with Line-lock & Phase Adjust
- All-in-one Package with No Separate Corner Bracket Required

## Functions

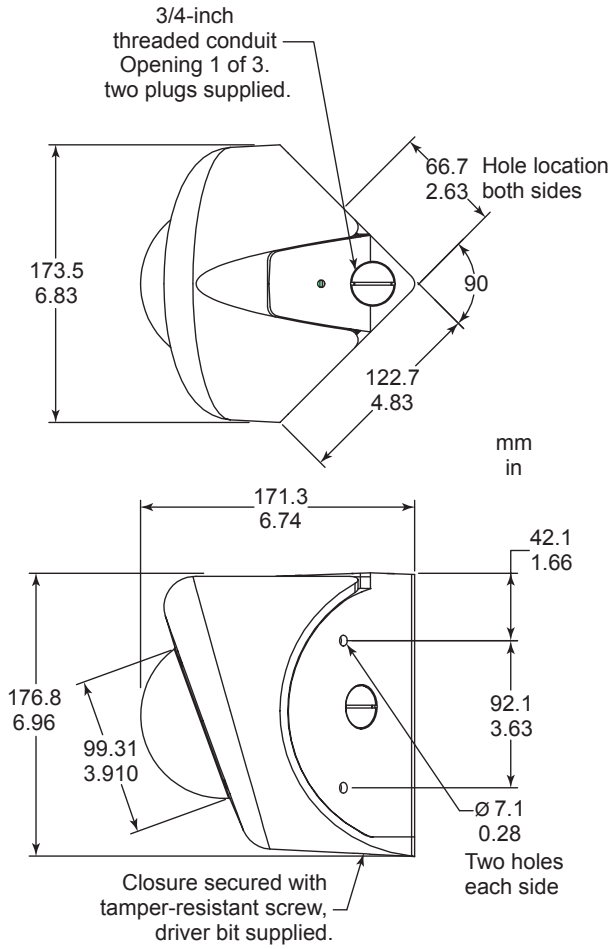
The Corner Phortress includes a full featured camera/lens combination in a cast aluminum housing (with the strength of 10 gage steel) and polycarbonate bubble that can withstand the equivalent of 120 lbs of force. The unit can also endure 300 lbs of weight, if an attempt was made to pull the unit down from a masonry wall, provided that the recommended mounting bolts are employed.

The Phortress's flexible varifocal camera makes it an ideal replacement for traditional camera installations, where extra security is required. Its sleek design, choice of finishes, and small, inconspicuous appaerance allow for an attractive look that complements most decors.

## Parts Included

| Quant. | Component |
|---|---|
| 1 | LTC 1271 / xx |

## Installation/Configuration Notes




| | | | |
|---|---|---|---|
| 01 | 3/4-inch threaded conduit Opening 1 of 3. 2 plugs supplied | 03 | Closure secured with tamper-resistant screw. Driver bit supplied |
| 02 | Hole location both sides | 04 | 2 Holes each side |



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## Technical Specifications

### Electrical

| Model No. | Voltage Range | Mono/Color Systems | Power Consumption |
|---|---|---|---|
| LTC 1271/10C | 21 to 27 VAC or 11 to 13 VDC | PAL | 2.7 W |
| LTC 1271/20C | 21 to 27 VAC or 11 to 13 VDC | NTSC | 2.7 W |

| | |
|---|---|
| **Lens** | Integral 2 –4 mm varifocal. |
| **Iris/Shutter** | Auto DC control iris; F1.6–200 iris range. |
| **Imager** | Interline transfer CCD; 1/4-inch image format. |
| **Horizontal Res.** | 480 TVL. |
| **Sensitivity (3200K)** | |
| | Minimum Scene |
| | Illumination |
| Scene illumination | fc 0.12 |
| | lx 1.2 |
| F1.2, 89% reflection, 50IRE. | |
| **Signal-to-noise Ratio** | 48 dB. |
| **White Balance (Color Models Only)** | |
| | Automatic Sensing through the Lens (TTL System) Continuous or hold. |
| **Video Output** | 1.0 Vp-p, 75 ohm. |
| **Synchronization** | |
| Line-lock (When Powered AC) | Synchronizes camera to power line zero crossing for roll-free vertical interval switching. Vertical phase delay can be externally adjusted (continuously) to allow vertical synchronization in multiphase power installations. |
| Crystal-lock (When Powered DC ) | Internal crystal reference is standard on all models. |
| **Controls** | |
| Automatic Gain Control (AGC) | On / off. |
| Gamma | 0.6/1.0. |
| Automatic White Balance (AWB) | Continuous / hold. |
| Backlight Compensation (BLC) | On / off. |
| **Connectors** | |
| Video Out | BNC. |
| Power | Stripped leads. |

### Mechanical

**Cable Entry**

Through one of three 3/4-inch conduit knockouts.
Two plugs provided. Set screw located at top of housing to secure top conduit plug

**Mounting**

Mounts on wall using four (4) 6 mm (1/4- inch) screws.
Cover is secured with one tamper-resistant screw.
Driver bit is provided

**Construction Finish**

Polycarbonate dome on cast aluminum housing.
White (LTC 1271/x0C) or brushed aluminum (LTC 1271/x0CS)

**Dimensions**

See dimensional drawing.

### Environmental

| | |
|---|---|
| Rated for indoor use. | |
| Operating Temperature | –10°C to 50°C (14°F to 122°F). |
| Storage Temperature | –20°C to 50°C (–4°F to 122°F). |
| **Humidity** | 0% to 90% relative, non condensing |
| **Electromagnetic Compatibility** | |
| **EMC requirements** | CD Immunity, FCC Class A. |
| **Safety** | UL, cUL, CE. |

### Ordering Information

**Model & Description**

LTC 1271/10C Corner Camera
1/4-inch color phortress corner mount dome, pal 2 – 4 mm vf / ai lens 12 VDC – 24 VAC (white)

LTC 1271/20C Corner Camera
Phortress, corner, 1/4-inch, lt.tint, 480 TVL color, 2 VDC / 24 VAC, 60 Hz, w/2 – 4 mm AI LENS.



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# LTC 1361, 146x Series FlexiDome$^{XT}$ Vandal Resistant Cameras

The FlexiDome$^{XT}$ line of vandal resistant, fixed Dome cameras with varifocal lens options provide the ultimate solution for virtually any indoor and outdoor security application.
Providing a full-featured integrated camera in a cast aluminum housing, polycarbonate dome, and hardened inner liner these units can withstand the equivalent of 120lbs of force.
FlexiDome$^{XT}$ cameras are also sealed for outdoor use with protection against water and dust to IP66, (NEMA-4) standards.

## Features

- Vandal resistant camera in weatherproof housing
- Endures the equivalent of 120lbs of force
- 540 TVL resolution monochrome and color models
- Extended sensitivity with NightSense
- Auto-iris varifocal lenses
- Line-Lock with phase adjustment
- Flush mount appearance
- Conduit compatible hard surface mount option

## Functions

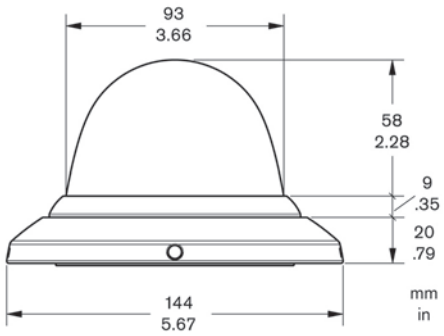
The FlexiDome$^{XT}$ Series incorporates the latest technology found in an integrated camera with the option of 540 TVL resolution color and monochrome cameras that feature an integrated varifocal DC iris lens. The choice of varifocal lenses makes the application of these cameras extremely versatile, covering standard and telephoto as well as low light applications.
AC and DC compatible, users get an added benefit of Line-Locking and phase adjustment capabilities when AC voltage is employed. Backlight compensation can also be selected on all models. NightSense is used to further extend the excellent sensitivity by a factor of 3 in monochrome operation.
This mode is automatically activated under low light conditions.

For quick and easy installation, the FlexiDome$^{XT}$ Series cameras come completely assembled, and ready to use. Using the proprietary pan/tilt/rotation mechanism, camera adjustments are simple. Cameras can be rotated 360° and tilted more than 90° to choose precisely the camera angle you need for installation.

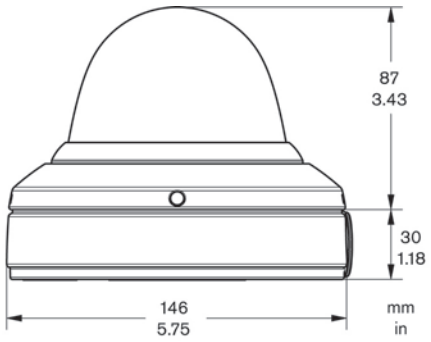
Each unit is supplied with an adaptor plate compatible with single, double, or 4S electrical box installations. For solid wall or ceiling mounting, the optional LTC 1347 Hard Surface Mount Adaptor box is offered. This adaptor can be wired through the side of the housing via a standard 3/4in. conduit opening, or wired through the back of the unit. For hassle-free on-site setup and adjustments, an optional Video Service cable (S1460) is available.

FlexiDome$^{XT}$ is an ideal, no compromise solution for numerous surveillance applications, especially over conventional camera limitations. The small, sleek design and virtually flush mount appearance allow for an attractive look that compliments various decors, and at the same time providing the extra protection necessary for applications such as schools, banks, hotels, prisons, parking garages, retail, and commercial installations.

## Installation/Configuration Notes




*Dimensions*




*with LTC 1347 connection box*



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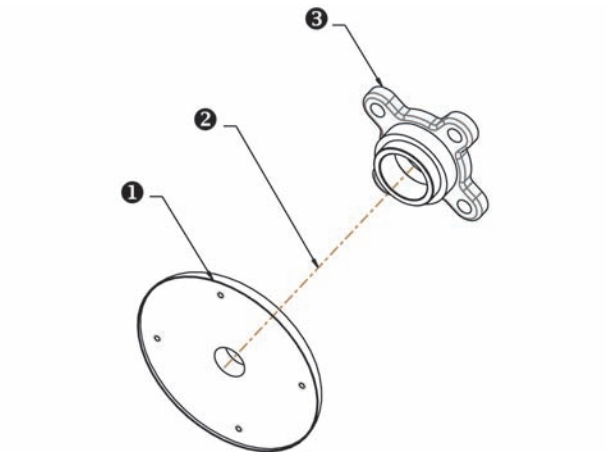
**Pipe Mount**



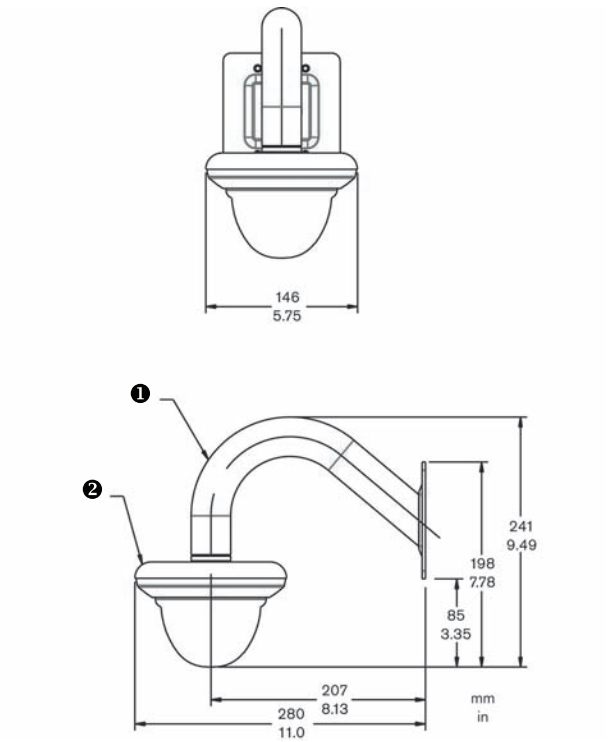

*Dimensions LTC 1349/00*

01 Pendant Cap

02 3/4-inch pipe with 3/4-inch -14 NPSM threads or EMT conduits both ends (not included)

03 Flange Assembly

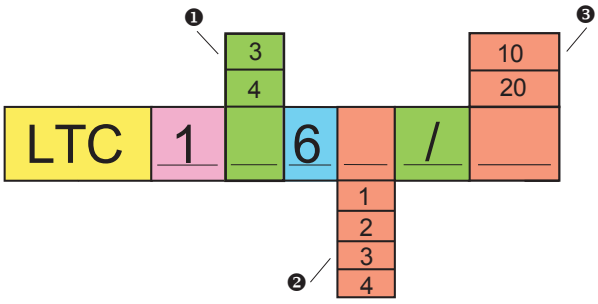
**Pendant Mount**




*Dimensions LTC 1348/00*

01 Wall Mount Assembly

02 Pendant Cap




01 3 - B/W
4 - Color

02 1 - 2.8-6 mm F1.4 Varifocal
2 - 2-4 mm F1.4 Varifocal
3 - 3-6 mm F 1.2 Varifocal
4 - 4-8 mm F1.4 Varifocal

03 10 – PAL
20 – NTSC



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## Technical Specifications

### Electrical

| Model No. | Lens | System |
|---|---|---|
| LTC 1361/10 | 2.8 – 6mm, F1.4 | B&W, CCIR, 50Hz |
| LTC 1361/20 | 2.8 – 6mm, F1.4 | B&W, EIA, 60Hz |
| LTC 1461/10 | 2.8 – 6mm, F1.4 | Color, PAL, 50Hz |
| LTC 1461/20 | 2.8 – 6mm, F1.4 | Color, NTSC, 60Hz |
| LTC 1462/10 | 2 – 4mm, F1.4 | Color, PAL, 50 Hz |
| LTC 1462/20 | 2 – 4mm, F1.4 | Color NTSC, 60 Hz |
| LTC 1463/10 | 3 – 6mm, F1.2 | Color, PAL, 50Hz |
| LTC 1463/20 | 3 – 6mm, F1.2 | Color, NTSC, 60Hz |
| LTC 1464/10 | 4 – 9mm, F1.4 | Color, PAL, 50Hz |
| LTC 1464/20 | 4 – 9mm, F1.4 | Color, NTSC, 60Hz |

| | | | | |
|---|---|---|---|---|
| **Voltage Range** | | | | |
| /10 versions | 12 to 24VAC, 50Hz or 12 to 33VDC, 2 W | | | |
| /20 versions | 12 to 24VAC, 60Hz or 12 to 33VDC, 2 W | | | |
| Lens | Auto Iris Integrated Varifocal | | | |
| 2 - 4mm | Viewing angle | 105° - 53° | | |
| 2.8 – 6mm | Viewing angle | 66° - 35° | | |
| 3 – 6mm | Viewing angle | 62° - 35° | | |
| 4 – 9mm | Viewing angle | 52° - 24° | | |
| Imager | Interline transfer CCD, 1/4-inch. image format | | | |
| **Horizontal Resolution** | | | | |
| LTC 136x B&W Series | 570 TVL | | | |
| LTC 146x Color Series | 540 TVL | | | |
| Electronic Shutter | 1/50 (1/60) to 1/100,000 sec | | | |
| **Sensitivity** | | **Usable picture** | | **Full Video** |
| | | **30 IRE** | **50 IRE** | |
| **LTC 1361** | fc | 0.01 | 0.02 | 0.08 |
| | lx | 0.1 | 0.2 | 0.8 |
| **LTC 1461, 1462 & 1464** | | | | |
| Color | fc | 0.1 | 0.2 | 0.8 |
| | lx | 1 | 2 | 8 |
| NightSense | fc | 0.03 | 0.07 | 0.27 |
| | lx | 0.3 | 0.7 | 2.7 |
| **LTC 1463** | | | | |
| Color | fc | 0.07 | 0.15 | 0.6 |
| | lx | 0.7 | 1.5 | 6 |
| NightSense | fc | 0.02 | 0.05 | 0.2 |
| | lx | 0.2 | 0.5 | 2 |
| At 89% scene reflection and 3200K illumination | | | | |
| **Signal-to-noise Ratio** | 48dB | | | |
| **Automatic Gain Control** | 18dB | | | |
| **White Balance** | (Color Models Only) | | | |
| Automatic Sensing through the Lens: 2500K to 9000K<br>Continuous (ATW) or Hold (AWB) | | | | |
| **Aperture Correction** | Horizontal and vertical | | | |
| **Synchronization** | | | | |
| Line-Lock<br>(When powered by AC) | Synchronizes camera to power line zero crossings for roll-free interval switching. Vertical phase delay can be continuously adjusted to allow vertical synchronization in multiphase power installations | | | |
| Crystal-Lock | selected when DC supplied or Line-Lock OFF | | | |

### Electrical

| | |
|---|---|
| **Controls** | |
| Automatic White Balance | On (ATW) / Off(AWB) |
| Backlight Compensation | On / Off |
| NightSense | On / Off |
| Line-Lock | On / Off, with phase adjustment of |
| **Connectors** | |
| Video Out | BNC on coax cable |
| Power | Stripped leads |
| Internal Video Monitor Connector - 53° | 2.5 mm - 35° mono jack |

### Mechanical

| | |
|---|---|
| **Cable Entry** | Through back, optional connection box available for side entry (3/4 - inch conduit or 22 mm gland, PG16) |
| **Mounting** | On wall or ceiling using up to 4 screws |
| **Construction** | Polycarbonate clear dome on aluminum housing |
| **Color** | White trim ring with black inner liner, /10 includes gray trim ring |
| **Dimensions** | See drawing |
| **Weight** | 500g (1.1 lb) |

### Environmental

| | |
|---|---|
| **Operating Temp.** | -30°C to +50°C (-22°F to +122°F) |
| **Storage Temp.** | -40°C to +70°C (-40°F to +158°F) |
| **Humidity** | 0% to 90% relative humidity, non condensing |
| **Water & Dust Protection** | IP66 (NEMA 4), when mounted on a flat surface |
| **Impact Protection** | IEC 60068-2-75 test Eh ≥50 Joules<br>EN 50102, exceeding IK10 |
| **Product Regulatory Compliance** | |
| **Electromagnetic Compatibility (EMC)** | CE Immunity, FCC Class B |
| **Safety** | UL, cUL, CE |



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| Ordering Information |
|---|
| **Model & Description** |
| LTC 1361/10 Vandal Resistant Cameras<br>Flexidome$^{XT}$, 1/4-inch, 570 TVL B/W CCIR, 12 VDC / 24 VAC, w/2.8-6 mm F1.4 varifocal lens, white/grey |
| LTC 1361/20 Vandal Resistant Cameras<br>Flexidome$^{XT}$, 1/4-inch, 570 TVL b/w EIA, 12 VDC / 24 VAC, w/2.8 – 6 mm F1.4 varifocal lens, white |
| LTC 1461/10 Vandal Resistant Cameras<br>Flexidome$^{XT}$, 1/4-inch, 470 TVL color PAL, 12 VDC / 24 VAC, w/2.8 – 6 mm F1.4 varifocal lens, white/grey |
| LTC 1461/20 Vandal Resistant Cameras<br>Flexidome$^{XT}$, 1/4-inch, 470 TVL color NTSC, 12 VDC /24 VAC, w/2.8 – 6 mm F1.4 varifocal lens, white |
| LTC 1462/10 Vandal Resistant Cameras<br>Flexidome$^{XT}$, 1/4-inch, 470 TVL color PAL, 12 VDC / 24 VAC, w/2 – 4 mm F1.4 varifocal lens, whitegrey |
| LTC 1462/20 Vandal Resistant Cameras<br>Flexidome$^{XT}$, 1/4-inch, 470 TVL color NTSC, 12 VDC /24 VAC, w/2 – 4 mm F1.4 varifocal lens, white |
| LTC 1463/10 Vandal Resistant Cameras<br>Flexidome$^{XT}$, 1/4-inch, 470 TVL color PAL, 12 VDC / 24 VAC, w/3 – 6 mm F1.2 varifocal lens, white/grey |
| LTC 1463/20 Vandal Resistant Cameras<br>Flexidome$^{XT}$, 1/4-inch, 470 TVL color NTSC, 12 VDC / 24 VAC, w/3 – 6 mm F1.2 varifocal lens, white |
| LTC 1464/10 Vandal Resistant Cameras<br>Flexidome$^{XT}$, 1/4-inch, 470 TVL color PAL, 12 VDC / 24 VAC, w/4 –9 mm F1.4 varifocal lens, white/grey |
| LTC 1464/20 Vandal Resistant Cameras<br>Flexidome$^{XT}$, 1/4-inch, 470 TVL color NTSC, 12 VDC / 24 VAC, w/4 – 9 mm F1.4 varifocal lens, white |
| **Hardware Accessories** |
| TC1323 Power Supply<br>120 VAC, 60 Hz, 24 VAC, 60 Hz, 10 VA |
| TC220PSX-24 Power Supply<br>Transformer (220 – 240 VAC / 24 VAC, 800 mA, 50hz) |
| LTC 1347/00<br>White connection box for surface mounting |
| LTC 1347/01<br>Gray connection box for surface mounting |
| LTC 1348/00<br>Pendant Mount kit |
| LTC 1349/00<br>Pipe Mount Kit |
| S1460<br>Video service cable (2.5 mm connector to BNC) |
| NV-211T-M<br>UTP video transmitter |



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